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ARMY CONCEPT TEAM IN VIETNAM
APO 143, San Francisco, California

SUBJECT: Supplement Number 2 to Final Report of Armed Helicopter Test (21).
(1 - 30 June 1963) (U)

TO: See Distribution

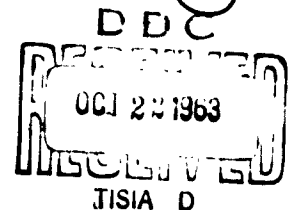
This is the second of a series of supplements covering monthly reporting periods which commenced at the end of the Armed Helicopter Test*. This Supplement covers the period 1-30 June 1963.

In accordance with verbal authority from Commander, US Military Assistance Command, Vietnam, ACTIV has continued the collection of data on the operation of armed helicopters in Vietnam. By this means ACTIV will amplify the results of the Armed Helicopter Test and verify, where possible, the data contained in the final report of the test.

The unit that generated the data for this supplement is the Utility Tactical Transport Helicopter Company (UTTHCO). Personnel and equipment status of the UTTHCO is as follows:

<u>Personnel</u>	<u>TD Authorisation</u>	<u>Present for Duty</u> <u>30 June</u>
Officers	14	40
Warrant Officers	16	12
Enlisted Men	83	91
<u>Equipment</u>	<u>TD Authorisation</u>	<u>On Hand - 30 June</u>
Armed Helicopter, UH-1	25	20

Thomas O. Blakeney
THOMAS O. BLAKENEY
Colonel, Armor
Chief



**Operational Evaluation of Armed Helicopters (C)*, Short Title OPENAH,
Final Test Report, ACTIV, APO 143, San Francisco, California, 10 May 1963.

*This document contains information affecting the National
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**SUBJECT: Supplement Number 2 to Final Report of Armed Helicopter Test
(1 - 30 June 1963) (U)**

DISTRIBUTION:

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CONTENTS

Table

1. Selected Mission Data,
2. Mission Summary 1 - 30 Jun 63,
3. Target Engagements 1 - 30 Jun 63,
4. Ground Fire Damage Report Summary 1 - 30 Jun 63,
5. UH-1 Availability 1 - 30 Jun 63,
6. Ammunition Expenditure

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TABLE 1
SELECTED MISSION DATA

<u>Operations</u>	<u>16 Oct 62 to 31 May 63</u>	<u>1 - 30 Jun 63</u>	<u>16 Oct 62 to 30 Jun 63</u>
Number of Missions	120	19	139
Mission Hours	1,164	145	1,309
Combat Support Hours	2,988	416	3,404
UH-1 Sorties (Armed)	2,919	614	3,533
UH-1 Sorties (Transport)	120	195	315
CH-21 Sorties	4,924	733	5,657
CH-34 Sorties	86	60	146
Landing Zones Protected	363	42	405
Eagle Flights Escorted	30	2	32
Med Evac Flights Escorted	17	3	20

Armament

Missions in Which Fire Was Returned	101	15	116
7.62mm Rounds Expended	208,520	69,670	278,190
2.75" Rockets Expended	1,667	686	2,353

Effects

Estimated Insurgent Casualties (KIA+WIA)	456	70	526
US KIA	2	0	2
US WIA	5	1	6
UH-1s Hit by Insurgent Fire	31	3	34
Number of Hits on UH-1s	43	3	46
UH-1s Disabled by Insurgent Fire	1	0	1

Aircraft Availability

	<u>1 - 31 May 63</u>	<u>1 - 30 June 63</u>
Average Number of UH-1s On Hand	20	20
Average Number of UH-1s Flyable	16	17.1
Average Availability Rate	82	89.08

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TABLE 2

MISSION SUMMARY
Dates 1 - 30 June 1963

Date	1 Jun	1 Jun	2 Jun	3 Jun	5 Jun	8 Jun	8 Jun	9 Jun	11 Jun	14 Jun	15 Jun	15 Jun	16 Jun	17 Jun	18 Jun	19 Jun	21 Jun	24 Jun	25 Jun	TOTAL
Mission Nr	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	
UH-1Bs Used (armed)	5	10	5	5	5	5	8	5	8	6	8	8	8	4	5	2	5	5	9	116
UH-1B Sorties (armed)	40	25	40	15	50	5	70	30	56	44	44	12	27	12	35	2	12	55	40	614
Combat Support Hours Flown by UH-1Bs	28	29	40	20	19	8	43	20	32	28	29	11	19	6	17	1	12	17	37	416
CH-21s Escorted	23	20	8	2	16	10	22	20	10	10	19	10	3	0	0	0	3	0	4	180
CH-21 Sorties	115	105	56	4	64	10	99	52	30	30	76	17	9	0	0	0	18	0	48	733
CH-34s Escorted	0	0	0	0	0	0	0	0	4	0	0	0	0	0	16	0	0	0	0	20
CH-34 Sorties	0	0	0	0	0	0	0	0	12	0	0	0	0	0	48	0	0	0	0	60
UH-1Bs Escorted (transport)	2	0	0	0	0	0	0	0	17	10	0	10	8	7	0	1	0	1	4	60
UH-1B Sorties (transport)	10	0	0	0	0	0	0	0	51	20	0	14	26	14	0	1	0	11	48	195
Mr Landing Zones Protected	5	1	1	0	4	1	1	2	1	6	1	2	6	1	2	0	0	0	8	42
Mr Medical Evac Missions	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	3
Mr Prisoner Pickups	0	0	0	0	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	4
Mr Eagle Flights	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
Mission Duration (hours)	11	6	11	7	9	12	10	5	9	10	6	8	10	2	4	1	7	6	11	145

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TABLE 3

TARGET ENCOUNTERS
Dates 1 - 30 June 1963

Date	1	1	2	3	5	8	8	9	11	14	15	15	16	17	18	19	21	24	25	TOTAL																																																																																				
	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun																																																																																					
Mission Nr	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	139																																																																																				
Landing Zones Protected	5	1	1	0	4	1	1	2	1	6	1	2	6	1	2	0	0	0	8	42																																																																																				
Landing Zones Contested	2	1	1	0	1	0	1	1	0	3	1	0	1	1	2	0	0	0	3	28																																																																																				
Insurgent Positions Detected In:	<table> <tr> <td>Open Fields</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>0</td><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td><td>5</td></tr> <tr> <td>Trees & Wood Line</td><td>1</td><td>1</td><td>1</td><td>0</td><td>1</td><td>0</td><td>1</td><td>1</td><td>0</td><td>1</td><td>1</td><td>0</td><td>1</td><td>1</td><td>1</td><td>0</td><td>0</td><td>1</td><td>1</td><td>13</td></tr> <tr> <td>Buildings</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>0</td><td>0</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>1</td><td>1</td><td>1</td><td>6</td></tr> <tr> <td>Boats</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>0</td><td>0</td><td>0</td><td>1</td></tr> </table>																				Open Fields	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1	1	0	0	0	5	Trees & Wood Line	1	1	1	0	1	0	1	1	0	1	1	0	1	1	1	0	0	1	1	13	Buildings	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	1	1	1	6	Boats	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Open Fields	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1	1	0	0	0	5																																																																																				
Trees & Wood Line	1	1	1	0	1	0	1	1	0	1	1	0	1	1	1	0	0	1	1	13																																																																																				
Buildings	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	1	1	1	6																																																																																				
Boats	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1																																																																																				
Insurgents Seen Flying	0	0	0	0	0	0	1	0	0	1	1	0	0	1	1	0	0	0	1	6																																																																																				
Insurgents Seen Only Seen	1	0	1	0	1	0	1	1	0	1	0	0	1	1	1	1	1	1	1	13																																																																																				
Insurgent Flares Identified by Type:	<table> <tr> <td>Flare</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>0</td><td>0</td><td>1</td><td>1</td><td>1</td><td>0</td><td>1</td><td>1</td><td>1</td><td>0</td><td>1</td><td>1</td><td>1</td><td>12</td></tr> <tr> <td>Automatic Weapon</td><td>0</td><td>0</td><td>1</td><td>0</td><td>1</td><td>0</td><td>1</td><td>0</td><td>0</td><td>1</td><td>0</td><td>0</td><td>1</td><td>1</td><td>1</td><td>1</td><td>0</td><td>1</td><td>1</td><td>10</td></tr> </table>																				Flare	1	0	0	0	0	1	0	0	1	1	1	0	1	1	1	0	1	1	1	12	Automatic Weapon	0	0	1	0	1	0	1	0	0	1	0	0	1	1	1	1	0	1	1	10																																										
Flare	1	0	0	0	0	1	0	0	1	1	1	0	1	1	1	0	1	1	1	12																																																																																				
Automatic Weapon	0	0	1	0	1	0	1	0	0	1	0	0	1	1	1	1	0	1	1	10																																																																																				
Rounds Expended by UH-1B:	<table> <tr> <td>7.62mm</td><td>160</td><td>6000</td><td>390</td><td>0</td><td>500</td><td>0</td><td>27950</td><td>7900</td><td>0</td><td>1800</td><td>4450</td><td>0</td><td>5000</td><td>2000</td><td>2120</td><td>900</td><td>500</td><td>1600</td><td>8800</td><td>69,670</td></tr> <tr> <td>2.75" Rocket</td><td>0</td><td>38</td><td>0</td><td>0</td><td>0</td><td>0</td><td>275</td><td>72</td><td>0</td><td>28</td><td>61</td><td>0</td><td>25</td><td>0</td><td>28</td><td>0</td><td>0</td><td>64</td><td>104</td><td>686</td></tr> </table>																				7.62mm	160	6000	390	0	500	0	27950	7900	0	1800	4450	0	5000	2000	2120	900	500	1600	8800	69,670	2.75" Rocket	0	38	0	0	0	0	275	72	0	28	61	0	25	0	28	0	0	64	104	686																																										
7.62mm	160	6000	390	0	500	0	27950	7900	0	1800	4450	0	5000	2000	2120	900	500	1600	8800	69,670																																																																																				
2.75" Rocket	0	38	0	0	0	0	275	72	0	28	61	0	25	0	28	0	0	64	104	686																																																																																				
Estimated Insurgent Casualties	0	0	0	0	UNK	0	7	4	0	UNK	UNK	0	UNK	UNK	8	2	2	12	35	70																																																																																				
US Casualties	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1																																																																																				
UH-1a Hit/By Hlt	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	3																																																																																				

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TABLE 4

STATISTICS REPORT — ARMED HELICOPTERS

Ground fire damage report summary

Date a/c hit	A/c alt (ft)	A/c speed (kts)	Nr of passes over same area	Insurgent environment	Clock direction of fire	Est range of source of fire (meters)	Casual- ties sus- tained	Nr of pro- jec- tiles rec'd
17Jun63	600	70	1	Wooded Area	5	400	0	1
17Jun63	400	75	3	Wooded Area	7	200	0	1
19Jun63	300	80	2	Tree-Line	Under a/c	100	1	1

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TABLE 5

1 - 30 June 1963

UH-1B AVAILABILITY

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1. ASSIGNED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
2. OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. ON HAND	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
4. FLYABLE	18	19	18	18	19	18	19	19	19	18	19	19	18	19	18
5. NON-FLYABLE	2	1	2	2	1	2	1	1	1	2	1	1	2	1	2
6. ORG MAINT	0	0	0	1	1	1	1	1	1	2	1	1	1	0	0
7. FIELD MAINT	2	1	2	1	1	1	0	0	0	0	0	0	1	1	2
8. EDP	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1
9. \$ AVAILABLE	90	95	90	90	95	90	95	95	95	90	95	95	90	95	90

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